ELSEVIER

Hydrometallurgy 44 (1997) 397–398

hydrometallurgy

Contents Volume 44, 1997

Research Papers

Model for heap leaching of gold ores by cyanidation
A.E. Sánchez-Chacón and G.T. Lapidus 1

Temperature effect on the synergistic solvent extraction of some lanthanides with mixtures of 1-phenyl-3-methyl-4-benzoyl-pyrazol-5-one and Aliquat 336
I.L. Dukov 21

Silver catalyzed IBES process: application to a Spanish copper–zinc sulphide concentrate
F. Carranza, I. Palencia and R. Romero 29

Recovery of sulphuric acid from waste aqueous solutions containing arsenic by ion exchange
V. Nenov, N. Dimitrova and I. Dobrevsky 43

Effect of heavy metals on the ferrous iron oxidizing ability of *Thiobacillus ferrooxidans*
G.C. De, D.J. Oliver and B.M. Pesic 53

Characterization of synthesized wolframite minerals and their leach residues
M.V. Sakharkar, J. Sharma, R.K. Ray and A.K. Biswas 65

Electro-extraction of zinc from sulphate electrolytes containing antimony and hydroxyethylated-butyne-2-diol-1,4. Part 1: Deposition on an aluminium cathode containing iron impurities
Y. Stefanov, I. Ivanov and S. Rashkov 71

Treatment of uranium leach solution by electrodialysis for anion impurities removal
A. Lounis and C. Gavach 83

Characterisation and acid pressure leaching of various nickel-bearing chromite overburden samples
G.K. Das, S. Anand, S. Acharya and R.P. Das 97

Kinetics of oxidation of Fe(II) ions by gaseous oxygen at high temperatures in an autoclave
R.Ž. Vračar and K.P. Cerović 113

Reduction–dissolution of cobalt oxide in acid media: a kinetic study
R.C. Hubli, J. Mittra and A.K. Suri 125

Dissolution kinetics of ulexite in ammonia solutions saturated with CO_2
A. Künkül, S. Yapici, M.M. Kocakerim and M. Copur 135

A mathematical model of the leaching of gold in cyanide solutions
F.K. Crundwell and S.A. Godorr 147

Interfacial activity of bis(2-ethylhexyl)phosphoric acid in model liquid–liquid extraction systems
J. Szymanowski, G. Cote, I. Blondet, C. Bouvier, D. Bauer and J.L. Sabot 163

Recovery of scandium from magnesium, aluminium and iron scrap
A. Ditze and K. Kongolo 179

Correlation between silicon dioxide and aluminium oxide contents of bauxite samples
S. Şahin 185

Electrophoretic studies of the adsorption of gold and silver from aqueous cyanide solutions onto activated carbon
K. Kongolo, C. Kinabo and A. Bahr 191

Extraction of platinum(IV) from hydrochloric acid solutions by amine alamine 304 in xylene. Estimation of the interaction coefficient between $PtCl_6^{2-}$ and H^+
F.J. Alguacil, A. Cobo, A.G. Coedo, M.T. Dorado and A. Sastre 203

Modelling of ammoniacal oxygen leaching of metallic iron in a stirred slurry reactor
K.S. Geetha and G.D. Surender 213
Reactions of lime with aluminate-containing solutions
B.-A. Xu, D.E. Giles and I.M. Ritchie 231
Solvent extraction of silver from chloride media with some commercial sulfur-containing extractants
M. Shafiqul Alam, K. Inoue, K. Yoshizuka, Y. Dong and P. Zhang 245

Technical Notes
Electrochemical extraction of samarium from mixture of rare earth metals
A.G. Atanasyants and A.N. Seryogin 255
Metal recovery from copper converter slag by roasting with ferric sulphate
H.S. Altundoğan and F. Tümen 261

Research Papers
Kinetics of the reaction of gold cyanidation in the presence of a thallium(I) salt
J.M. Chimenos, M. Segarra, L. Guzman, A. Karagueorguieva and F. Espiell 269
Dissolution of hematite in acidic oxalate solutions
M. Taxiarchou, D. Panias, I. Douni, I. Paspaliaris and A. Kontopoulos 287
Removal of metals by biosorption: a review
F. Veglio' and F. Beolchini 301
Polyhydroxoethylmethacrylate (polyHEMA)-trimethylolpropanetrimethacrylate (TMPTM) as a support for metal biosorption with *Arthrobacter* sp.
F. Veglio', F. Beolchini, A. Gasbarro, S. Lora, B. Corain and L. Toro. 317
Extraction equilibrium and kinetics of neodymium with diisodecylphosphoric acid
K. Kondo, L.X. Tao and M. Matsumoto. 321
Application of the reagentless dual-temperature ion-exchange technique to a selective separation and concentration of copper versus aluminum from acidic mine waters
D. Muraviev, J. Noguerol and M. Valiente 331
New lead alloy anodes and organic depolariser utilization in zinc electrowinning
C. Lupi and D. Pilone 347
Solvent extraction of $Au(CN)_2^-$ with mixtures of the amine Primene JMT and the phosphine oxide Cyanex 923
F.J. Alguacil, C. Caravaca, J. Mochón and A. Sastre 359
Extraction of uranium(VI) by the binary mixture of Aliquat 336 and PC88A from aqueous H_3PO_4 medium
Ms. Sujata Mishra and V. Chakravortty 371
Studies on complexation and ion transport mechanism of yttrium in a liquid membrane system
K.R. Chitra, A.G. Gaikwad, G.D. Surender and A.D. Damodaran 377

Meeting Announcements 395